



October 3, 2008

U.S. Nuclear Regulatory Commission  
Radioisotopes Licensing Division  
Region III  
2442 Warrenville Road, Suite 210  
Lisle IL 60532-4352

RE: Amendment to NRC Radioactive Materials License # 22-02037-03 Bell Memorial Hospital,  
Ishpeming Michigan

Dear Sir or Madam:

We wish to amend the above references radioactive materials license to reflect the following:

Please add 901 Lakeshore Drive, Ishpeming MI 49489 for radioactive material use to our license. This is a change to our mailing address; it does not reflect a change of location from our current license.

We hope this information is sufficient to grant our request for amendment. If you have any questions or need further information concerning this matter, please contact me at (906) 486-4431.

Enclosed please find the close-out survey from our previous location at 101 South Fourth Street, Ishpeming, MI 49489.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Altmann, MD". The signature is written in a cursive style with a distinct "MD" at the end.

Michael Altmann, M.D.  
Radiation Safety Officer

RECEIVED OCT 10 2008



Designer and manufacturer  
of  
Scientific and Industrial  
Instruments

# CERTIFICATE OF CALIBRATION

**LUDLUM MEASUREMENTS, INC.**  
POST OFFICE BOX 810 PH. 325-235-5494  
501 OAK STREET FAX NO. 325-235-4672  
SWEETWATER, TEXAS 79556, U.S.A.

CUSTOMER BELL HOSPITAL ORDER NO. 20111224/326893

Mfg. Ludlum Measurements, Inc. Model 14C Serial No. 145004

Mfg. Ludlum Measurements, Inc. Model 44-7 Serial No. RN-16793

Cal. Date 25-Jun-08 Cal Due Date 25-Jun-09 Cal. Interval 1 Year Meterface 202-330

Check mark  applies to applicable instr. and/or detector IAW mfg. spec. T. 76 °F RH 39 % Alt 698.8 mm Hg

New Instrument  Instrument Received  Within Toler. +-10%  10-20%  Out of Tol.  Requiring Repair  Other-See comments

Mechanical ck.  Meter Zeroed  Background Subtract  Input Sens. Linearity

F/S Resp. ck.  Reset ck.  Window Operation  Geotropism

Audio ck.  Alarm Setting ck.  Batt. ck. (Min. Volt) 2.2 VDC

Calibrated in accordance with LMI SOP 14.8 rev 12/05/89.  Calibrated in accordance with LMI SOP 14.9 rev 02/07/97.

Instrument Volt Set 900 V Input Sens. 32 mV Det. Oper. 900 V at 32 mV Threshold Dial Ratio = mV

HV Readout (2 points) Ref./Inst.                      /                      V Ref./Inst.                      /                      V

## COMMENTS:

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
X1000	1500 mR/hr	} N/A }	1.5
X1000	500 mR/hr		0.5
X100	150 mR/hr		1.5
X100	50 mR/hr		0.45
X 10	15 mR/hr		1.5
X 10	5 mR/hr		0.55
X 1	1.5 mR/hr = 3,000 cpm		1.5
X 1	1.0 mR/hr		1.0
X0.1	300 cpm		1.5
X0.1	100 cpm		0.5

\*Uncertainty within ± 10% C.F. within ± 20%

X0.1 Range(s) Calibrated Electronically

REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*	Log Scale	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
Digital Readout						

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323-1978 State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources:  S-394/1122  1131  781  059  280  
Cs-137 Gamma S/N  1162  G112  M565  5105  T1008  T879  E552  E551  720  734  1616  Neutron Am-241 Be S/N T-304  
 Alpha S/N  Beta S/N  Other  
 m 500 S/N 114520  Oscilloscope S/N  Multimeter S/N 78401030

Calibrated By: Sebasti Geballos Date 25-Jan-08

Reviewed By: Rhonda Hain Date 25 Jun 08

# Bell Hospital

Department of Nuclear Medicine

Survey Meter Operational Check

Frequency: Quarterly.

Check Source: Cs-137 Button (10 uCi)  
Source No. 449-28-IF

Date: 10-3-08

Survey Meter Serial No. 235 \_\_\_\_\_ mR/hr. Battery: \_\_\_\_\_

Survey Meter Serial No. 145004 6.9 mR/hr. Battery: 1.8

Technician: Steve Hill R.T.

Next check due: \_\_\_\_\_

BELL MEMORIAL HOSPITAL  
101 South Fourth Street  
Ishpeming, Mi. 49849  
(906) 486-4431

WIPE REPORT: RESULTS

DATE: Oct 03, 2008

TIME: 16:16

AREA # 1 Description: Hot Lab & Camera Room

Restricted, RSD trigger level at 100 % of Federal guidelines.

Isotope: WIFE  
Trigger in dpm: 2000  
Det. probability 0.99

Wipe Description	dpm
1) _____	62
2) _____	113 ■
3) _____	37
4) _____	-3
5) _____	75
6) _____	16
7) _____	-10
8) _____	12
9) _____	-59
10) _____	43
11) _____	62
12) _____	11
13) _____	50
14) _____	22
15) _____	75
16) _____	84
17) _____	105 ■
18) _____	63
19) _____	38
20) _____	-32
21) _____	41

*see sketch*

■ NOTE: 2 MEASUREMENT(S) EXCEEDED THE LOWER LIMIT OF DETECTION

*All surveys < 0.05 mR/hr*

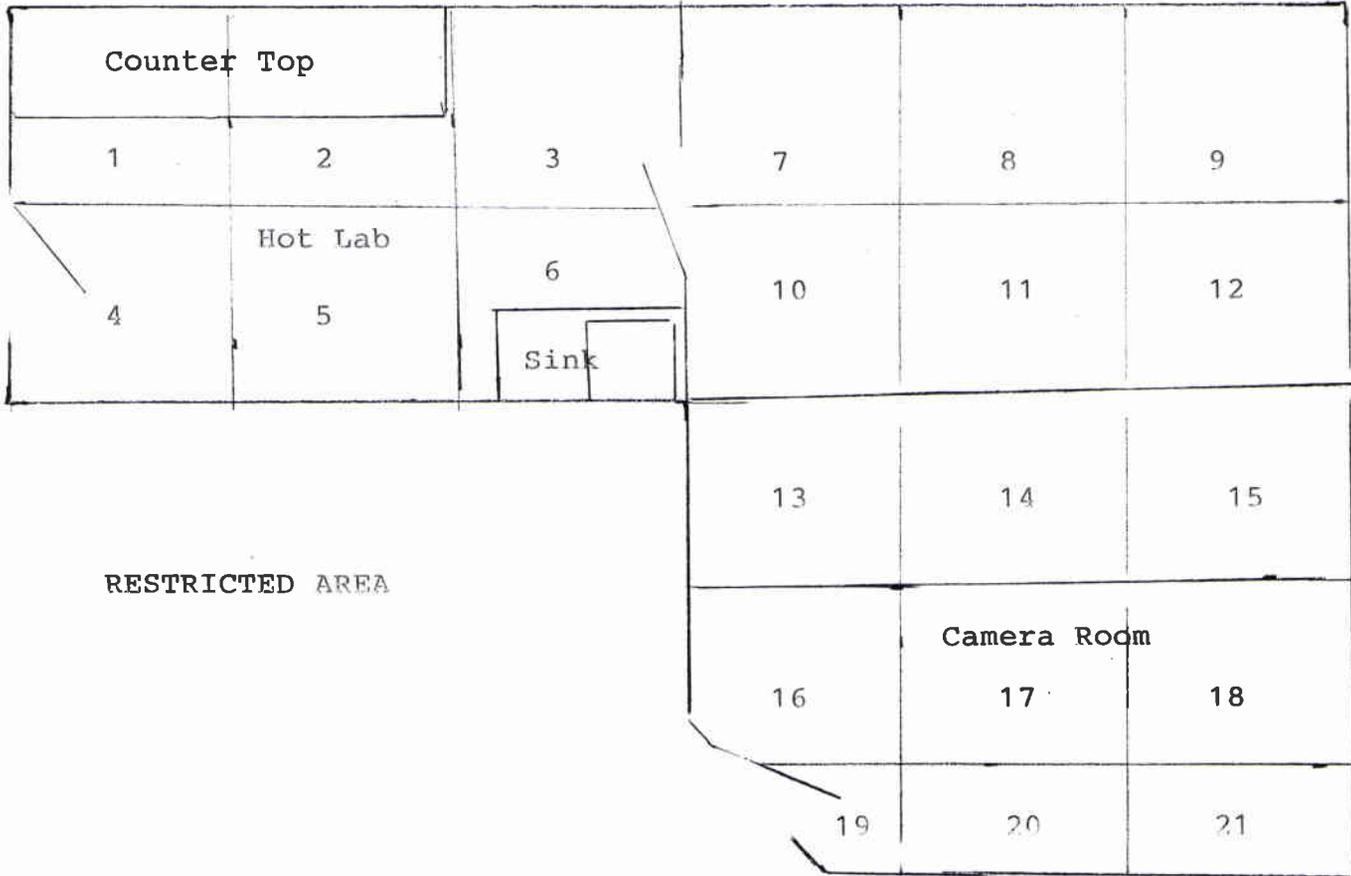
S/N 1023018 D4.0/M4.0

*SMS # 145004*

*Steve Hill R.T.*

CLOSE OUT SURVEY

Bell Memorial Hospital  
101 South 4th Street  
Ishpeming, MI. 49849



Last procedure 9-23-08

**Bell Hospital**

101 S. FOURTH STREET  
ISHPEMING, MI 49849-2197

9225 6286 0000 0750 2002



**CERTIFIED MAIL**  
PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

Hasler

10/07/2008  
**US POSTAGE**



FIRST CLASS MAIL

**\$05.49<sup>00</sup>**

ZIP 49849  
011D11607024

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